



40PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

P/N: 40ST1041I DATA SHEET

Feature



- IEEE 802.3 Ethernet compatible, 100 Base-TX.
- Surface mountable.
- Design for multi-port repeater and Ethernet switching Hub application.
- Customer designs available for specific application.
- Operating temperature range :0°C to +70°C .
- Storage temperature range: -25°C to +125°C .

Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	L.L (uH Max)	C _{W/W} (pF Max)	Rise Time (nS Typ)	HI-POT (Vrms)
	TX	RX					
40ST1041I	1CT:1CT	1:1	350	0.45	28	2.5	1500

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB Min)		DCMR (dB Min)		
		0.3-100 MHz	0.3-30MHz	30-60MHz	60-80MHz	0.3-60MHz	60-100MHz	60MHz	100MHz
40ST1041I	-1.15	-16	-12	-10	-45	-35	-37	-28	-25

Schematic

Mechanical

